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M Veltar, M Kirsher, U Zdun, M Engtbrecht - Proceedings of EuroPlop ..., 2003 - Citeseer  
 ... The **CLIENT PROXY** needs to have a separate thread handling asynchronous replies - this also is true for ... between poll object and result **callback** is that result **callback** requires an event driven design ... Similar to our approach, executing code in a separate thread on the client side ...

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C Rodrigues, JP Loyall, RE Schantz, EDO ... - OMG's First Workshop ..., 2000 - omg.net  
 ... ORB set object expectation system event Contract Page 12. 12 ... Contract SC SC ORB ORB Proxy  
**Proxy Object 1) Client calls delegate 2) Delegate evaluates contract 3) Measurement system**  
**conditions are signaled 4) Contract snapshots value of system conditions ...**

[Cited by 7](#) - [Related articles](#) - [View as HTML](#) - [All 3 versions](#)
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M Amoretti, S Bottazzi, M Raggiari, S ... - ... of the 2003 IEEE/RSJ Intl. ..., 2003 - Citeseer  
 ... In the Notification Service each **Client** subscribes to the precise set of **events** it is interested in ...  
**event** can continue toward the next component, and a mapping filter, that defines event priority and ... priority, ordering, and timeliness can be associated to a Channel, to a Proxy, or to a ...

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**[Using events to build large scale distributed applications](#)**

R Haydon, J Bacon, J Bates, K Moody - ... of the 7th workshop on ACM ..., 1996 - portal.acm.org  
 ... and a **client proxy** object will inherit Register and **Callback** methods. Figure 1 illustrates the objects involved in a session between a Print service and a client of that service, and figure 2 gives example code for the **client** and server. 3 Composite Events Clients of event services ...

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C Rodrigues, EDO Computing - ... and Real-Time Distributed Object Systems ..., 2002 - omg.net  
 ... ORB IIOP ORB IIOP CLIENT OBJECT (SERVANT) OBJECT ... Video Display VIDEO DISPLAY HOST  
 1 Video Display Proxy CORBA AV Streaming Service VIDEO DISPLAY HOST 2 ... receiver.(h,cpp)  
 Receiver Code Receive Frame Event **Callback** Contract Normal High Excess ...

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A Harter, A Hopper - IEEE network, 1994 - Citeseer  
 ... The action on detecting incompatibility is **client dependent**, but typically applications terminate ...  
 Some applications invoked in this way make use of further button **events**, particularly those with unanticipated user ... One of the most exible is to pipe the session through a **proxy server** ...

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**[\(PDF\) Design patterns for web service](#)**[tsinghua.edu.cn](#)

K Qian, O Karam, J Diaz-Herrera, J ... - JOURNAL-TSINGHUA ..., 2003 - tsinghua.edu.cn  
 ... Either WSDL is enhanced to support event type and two way asynchronous model or web service implementation API supports the **event handling** mechanisms. **Client/Server WS + callback** method + **Virtual proxy Callback** begin invoke() Create() create() begin invoke() WS ...

[Related articles](#) - [Bi. Direct](#) - [All 4 versions](#)
**[\[citations\] Component-based APIs for versioning and distributed applications](#)**[psu.edu](#) [PDF]

RJ Siets, GC Hunt, ML Scott - Computer, 1999  
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**[\(PDF\) EQUIP: a software platform for distributed interactive systems](#)**[psu.edu](#) [PDF]

C Greenhaigh - Submitted to UST, 2002 - Citeseer  
 ... T1 to server 4c. T1 to **client** Publishing **Client 3. Proxy** subscription Figure 6. Demand-driven Event Distribution. Discussion Subscription to **events** and data items is based on the built-in pattern matching between all IDL-defined classes (in particular **events** and data items). ...

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**[PDF] A scalable and explicit event delivery mechanism for UNIX**[usenix.org](#) [PDF]G. Banga, J.C. Mogul, P. Druschel - Proceedings of the USENIX Annual ... , 1999 - [usenix.org](#)

... This **proxy** does not cache responses. It can be configured to use either `select()` or our new **event** API. In all of the experiments presented here, we generate load using two kinds of clients. The "hot" connections come from a set of processes running the **S-Client** software [2 ...

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**[PDF] The architecture of the READY event notification service**[psu.edu](#) [PDF]

RE Gruber, B Krishnamurthy, E Panagos ... - Systems Middleware ..., 1999 - CiteSeer  
... be used in the implementations of the various session objects created on client machines, or ...  
Notifications occur when the event at the front of the queue has a timestamp ... The CORBA  
Notification Service [13] extends the CORBA Event Service [12] by adding structured events ...  
Cited by 114 - Related articles - View as HTML - All 5 versions

**Design and evaluation of a wide-area event notification service**[psu.edu](#) [PDF]

A Carzaniga, DS Rosenblum, AL Wolf - ACM Transactions on ..., 2001 - portal.acm.org  
... When a subscription reaches a server (either from a client or from another server), the ... similar  
relation < N A. The motivation for advertisements is to inform the event notification service ... string  
what = alarm string what = alarm < N A string what = login string username = any string ...  
Cited by 1230 - Related articles - Bi Direct - All 75 versions

**[PDF] Generic support for distributed applications**[psu.edu](#) [PDF]

J Bacon, K Moody, J Bates, R Hayton, C Ma, A McNeill ... - IEEE Computer, 2000 - CiteSeer  
... Communications between principals and ser- vices must be securely signed. If the service is  
an object manager, it must ensure protected access to objects and provide a means of expressing  
and enforcing access policy. ... Composite event service Client Action Notification ...  
Cited by 174 - Related articles - View as HTML - Bi Direct - All 14 versions

**[PDF] Patterns and performance of a CORBA event service for large-scale ...**[psu.edu](#) [PDF]

C O'Ryan, DC Schmidt, JR Noseworthy ... - SYSTEMS SCIENCE AND ..., 2002 - CiteSeer  
... Event channels play the role of a queue. ... The framework implemented in TAO's Real-time Event  
Service supports this use case, as well. ... Context. To dispatch an event to multiple consumers, an  
event channel must iterate over its set of ProxyPushSup- plier objects. ...  
Cited by 51 - Related articles - View as HTML - Bi Direct - All 10 versions

**[PDF] Hermes: A scalable event-based middleware**[psu.edu](#) [PDF]

PR Pietzuch - University of Cambridge PhD thesis and TR590, 2004 - CiteSeer  
... A client can be an information producer or an information consumer (see Figure 1.3). Consumers ...  
The composite event detection service is based on extended finite state automata and supports  
the decomposition of complex composite event expressions for distribution. ...  
Cited by 116 - Related articles - View as HTML - All 20 versions

**[CITATION] Using events to build distributed applications**[klupm.edu.sa](#)

J Bacon, J Bates, R Hayton, K Moody - Services in Distributed and Networked ..., 1995  
Cited by 90 - Related articles - All 9 versions

**[PDF] The implementation of a CORBA object group service**[psu.edu](#) [PDF]

P Feitner, R Guerraoui, A Schiper - Theory and Practice of Object Systems, 1998 - CiteSeer  
... Hence, similarly to the CORBA Event Service [14], OGS provides two types of communication:  
untyped and typed communication. ... 2. Member's view is a superset of the client's view, and is  
denied by the GroupAdministrator ... 3. Service's view is denied by the Groupable inter- face. ...  
Cited by 149 - Related articles - View as HTML - Bi Direct - All 11 versions

**[CITATION] Opening up networks with JAIN Parlay**

S Beddus, C Bruce, S Davis, B Telecom - IEEE Communications Magazine, 2000  
Cited by 52 - Related articles - Bi Direct - All 3 versions

**The design and performance of a scalable ORB architecture for CORBA ...**[psu.edu](#) [PDF]

A Arulanthu, CO'Ryan, D Schmidt, M Kircher, J ... - Middleware 2000, 2000 - Springer  
... TAO uses the Service Configurator pattern [26] to allow applications to select between these  
two strategies and thereby configure TAO's Transport Mux ... This strategy supports single-threaded  
client applica- tions efficiently by having the waiting thread run the event loop of the ...  
Cited by 88 - Related articles - All 25 versions

**[CITATION] A new approach to object-oriented middleware**

Manning - IEEE Internet Computing, 2004

[Cited by 79](#) - [Related articles](#) - [BL Direct](#) - [All 7 versions](#)

## Pure Corba

F Botton - 2001 - [portal.acm.org](#)

... **The Role of the POA Manager**. The RootPOA Object and the POA Hierarchy. POA Policies. ...

Request Interceptors. **Client-Side Interceptor**. Server-Side Interceptor. ... Summary. Download

Chapter Download Chapter 1 TokenChapter 12. Events **Service**. CORBA **Event Service** Patterns ...

[Cited by 48](#) - [Related articles](#)

**[citation] Applying a scalable CORBA event service to large-scale ...**

[psu.edu \[PDF\]](#)

C O'Ryan, DL Levine, DC Schmidt, JR Noseworthy - Object-Oriented Real-Time ..., 1999

[Cited by 44](#) - [Related articles](#) - [All 20 versions](#)

## Using events to build large scale distributed applications

R Hayton, J Bacon, J Bates, K Moody - ... of the 7th workshop on ACM ..., 1996 - [portal.acm.org](#)

... Note that the **client** may provide an additional piece of state at registration time that is returned ...

**service** that generates a **Seen event** whenever a badge is detected in a room. We may combine these

events with those from a fire **alarm service** and those from an active database in ...

[Cited by 38](#) - [Related articles](#) - [All 4 versions](#)

## Software component composition based on ADL and middleware

H Mei, J Chang, F Yang - Science in China Series F: Information ..., 2001 - Springer

... distributed processes, **event-based**, main-subroutine, pipe-and-filter ... No. 2 SOFTWARE

COMPONENT COMPOSITION BASED ON ADZ & MIDDLEWARE 143 ... Table 1 shows how these

abstractions can be used to describe different kinds of entities in software architecture. ...

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## Event-driven programming for robust software

[psu.edu \[PDF\]](#)

F Dabek, N Zeldovich, F Kaashoek, D ... - Proceedings of the ..., 2002 - [portal.acm.org](#)

... program- mer to incrementally add parallelism to an application by focusing on just the **event**

**callbacks** that are ... parallelizing the entire computation, by (for exam- ple) creating one server thread

per **client**; this means ... libasync-mp maintains a single **queue** of pending call- backs. ...

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## Architectural mismatch or why it's hard to build systems out of existing parts

[psu.edu \[PDF\]](#)

D Garlan, R Allen, J Ockerbloom - 1995 - [computer.org](#)

... the main components are a collection of tools and the architectural design **manager** (which

consists primarily ... The second interaction is handled by a pair of **event** kinds, "Request" and "Reply" ...

When the message arrives, the Softbench client library invokes the **callback** procedure. ...

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## Peer-to-peer overlay broker networks in an event-based middleware

[psu.edu \[PDF\]](#)

IPR Pietzuch, J Bacon - ... international workshop on Distributed event ..., 2003 - [portal.acm.org](#)

... An **event broker** that main- tains **client** connections is called a local **event broker** and can be

publisher-hosting, subscriber-hosting, or both ... spanning tree) Figure 5: E1: Hop count per **event**

notification ver- sus number of subscribers (n s ) 0 ... Number of Routing Table Entries ...

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## Middleware for reactive components: An integrated use of context, roles, and event ...

[psu.edu \[PDF\]](#)

A Rekotnarsaiy, J Indulska, S Loke, A Zaslavsky - Middleware 2001, 2001 - Springer

... 5) WG which is defining a vocabulary for de- scribing device capabilities, as well as protocols

to transmit these device profiles from the **client** ... join(ref) **Event** coordination Coordination **Manager**

**Service** Discovery Dedicated Managers or Distributed services/ network protocols ...

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## Programming languages as operating systems (or revenge of the son of the Lisp ...

[psu.edu \[PDF\]](#)

M Flatt, RG Findler, S Krishnamurthi, M ... - Proceedings of the ..., 1999 - [portal.acm.org](#)

... MrEd acts as a high-level OS to **service** the GUI, security, and scalability needs of SchemeEsq. ...

so the action is best specified as a **callback** in the make-object vases, **event-handling** is ... Each

eventspace maintains its own **queue** of events, its own collection of frames, and its own ...

[Cited by 50](#) - [Related articles](#) - [BL Direct](#) - [All 13 versions](#)

## EM-an environment manager for building networked virtual environments

[psu.edu \[PDF\]](#)

Q Wang, M Green, C Shaw - Proc. IEEE Virtual Reality Annual ..., 1995 - CiteSeer

... Figure 2: Architecture Of The Environment **Manager** ... If an **event** has occurred, EM activates the

corresponding behavior, puts it on the active behavior list, and runs it at the next time step. ... We put the "server box" of BrickNet's client/server architecture down in each peer. ...

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#### **IPDN Efficient and flexible cosimulation environment for DSP applications**

[psu.edu](#) [PDF]

W Sung, S Ha - IEICE Transactions on Fundamentals of Electronics, ..., 1998 - Citeseer

... Evenwhen there is no responsepacket at the current global clock, the client simulator sends a ...  
On receive- ing the response packet, the backplane schedules this response packet to its event queue. ... not all the event driven simulators allow the user to get the next event time, the ...

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#### **[citation] Designing Grid-based problem solving environments and portals**

[psu.edu](#) [PDF]

G Von Laszewski, I Foster, J Gawor, P Lane, N Rehn, M ... - System Sciences, 2001. ..., 2001

[Cited by 63](#) - [Related articles](#) - [BL Direct](#) - [All 37 versions](#)

#### **The anatomy of a context-aware application**

[psu.edu](#) [PDF]

A Hartar, A Hopper, P Steggies, A Ward, P Webster - Wireless Networks, 2002 - Springer

... mobile computing, sentient computing, context-aware computing, location sensors, resource monitoring, middleware, spatial indexing ... Data caching is used to improve client retrieval times. ... This is shown in fig- ure 6. The data is distributed using an event service which ensures ...

[Cited by 1062](#) - [Related articles](#) - [BL Direct](#) - [All 46 versions](#)

#### **[citation] The SIMBA user alert service architecture for dependable alert delivery**

[microsoft.com](#)

YM Wang, P Bahl, W Russell - Dependable Systems and Networks, 2001. DSN ..., 2001

[Cited by 8](#) - [Related articles](#) - [All 6 versions](#)

#### **LuaTS - A Reactive Event-Driven Tuple Space**

[psu.edu](#) [PDF]

MA Leal, NLR Rodriguez, R Ierusalimsky - J. UCS, 2003 - juccs.org

... The programming task becomes easier when compared to traditional client/server and multithreaded architectures and is less errorprone. ... As already mentioned, they also support the concept of an event, but just through a notification service that has a fairly complex ...

[Cited by 9](#) - [Related articles](#) - [All 6 versions](#)

#### **IPDN Cineast-an extensible web browser**

[wu-wien.ac.at](#)

E Köppgen, G Neumann, S Nusser - Proceedings of the WebNet ..., 1997 - nm.wu-wien.ac.at

... The development of new features on the client side is dominated by a few companies ... It is the Event Manager's responsibility to trigger the protocol modules of libwww whenever data ... for the re- sponse behavior of any network application - the same event handling mechanism ...

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#### **[citation] A CORBA-based object group service and a join service providing ...**

[psu.edu](#) [PDF]

M Alekxy, A Korthaus - Software Engineering for Parallel and Distributed ..., 2000

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#### **IPDN Interfaces and algorithms for a wide-area event notification service**

[psu.edu](#) [PDF]

A Carzaniga, DS Rosenblum, AL Wolf - 1999 - Citeseer

... A more in-depth treatment of client mobility is beyond the scope of this paper and is something we are ... string what = alarm integer level > 3 integer level < 7 L N S string what = alarm integer level = 5 ... Rich languages and logics exist that allow one to express event patterns [23]. ...

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#### **Profile-directed optimization of event-based programs**

[psu.edu](#) [PDF]

M Rayagopalan, SK Debray, MA Hiltunen, ... - Proceedings of the ..., 2002 - portal.scm.org

... the composite protocol and numerous internal events used to structure the internal processing of a message or service request. ... One difference between the three mechanisms relates to scope— actions have global scope in an X client, while the scope of event handlers and ...

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#### **IPDN A distributed location system for the active oce**

[psu.edu](#) [PDF]

A Hartar, A Hopper - IEEE network, 1994 - Citeseer

... programming in the form of non-preemptive threads, and support for synchronisation in the form of event counts and ... The action on detecting incompatibility is client dependent, but typically applications terminate. ... The immediate thought is "Which alarm?" or "Mail from whom?" ...

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